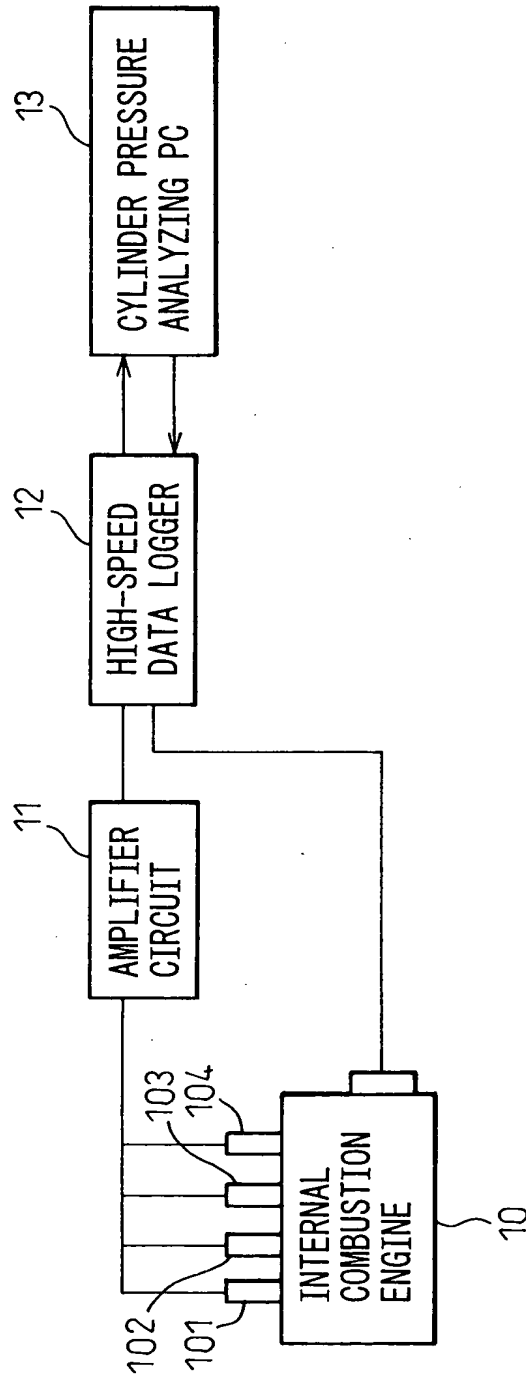


05

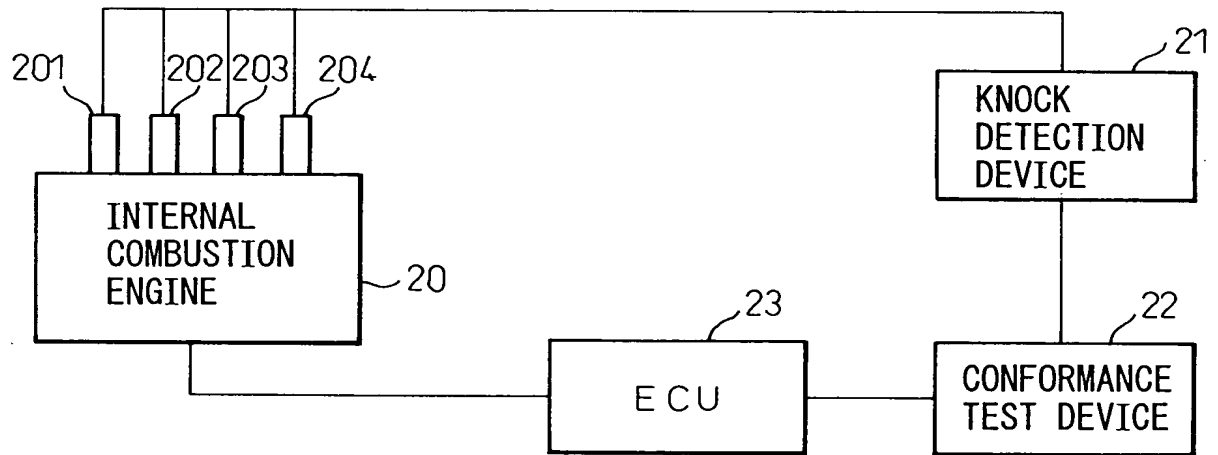
1/9

Fig.1
PRIOR ART



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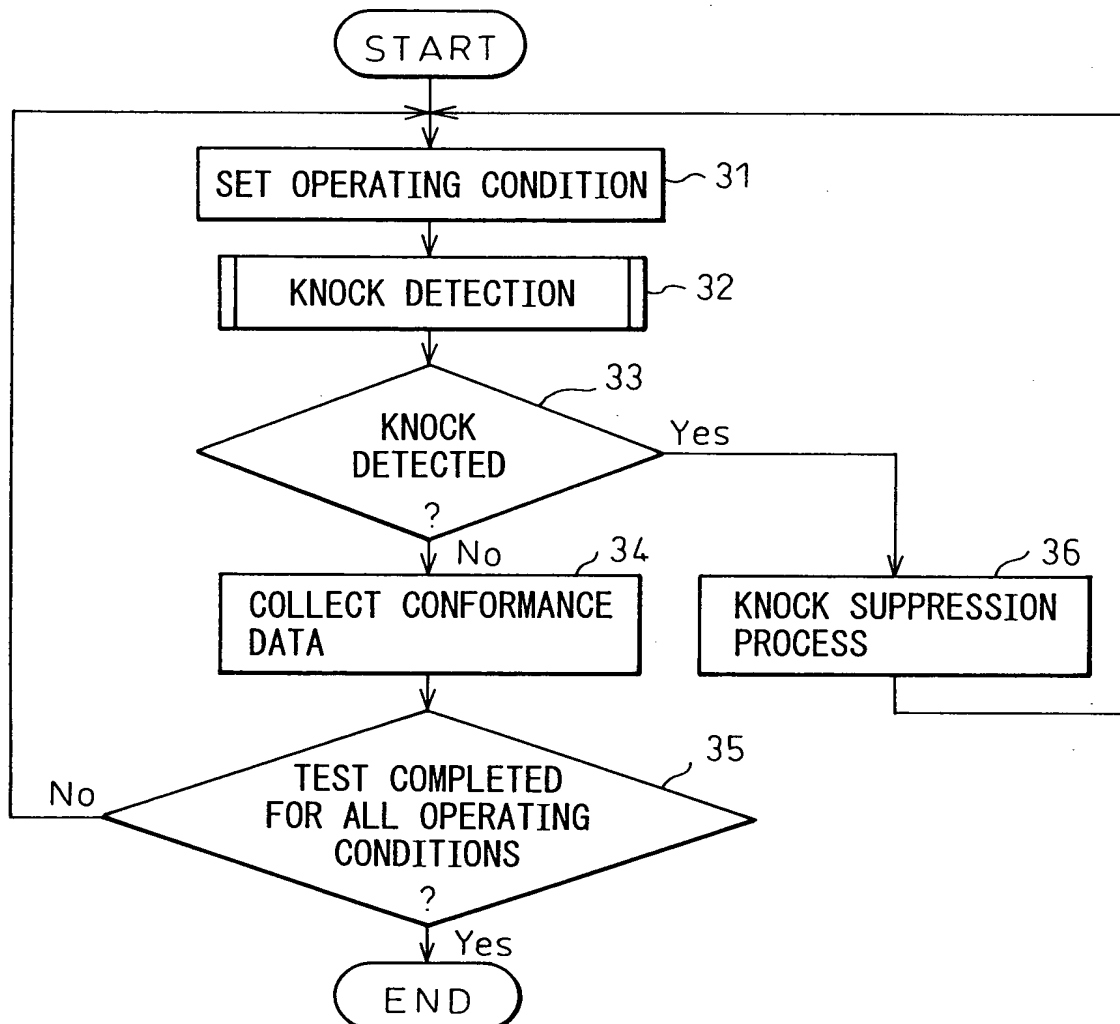
Fig.2



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Fig. 3

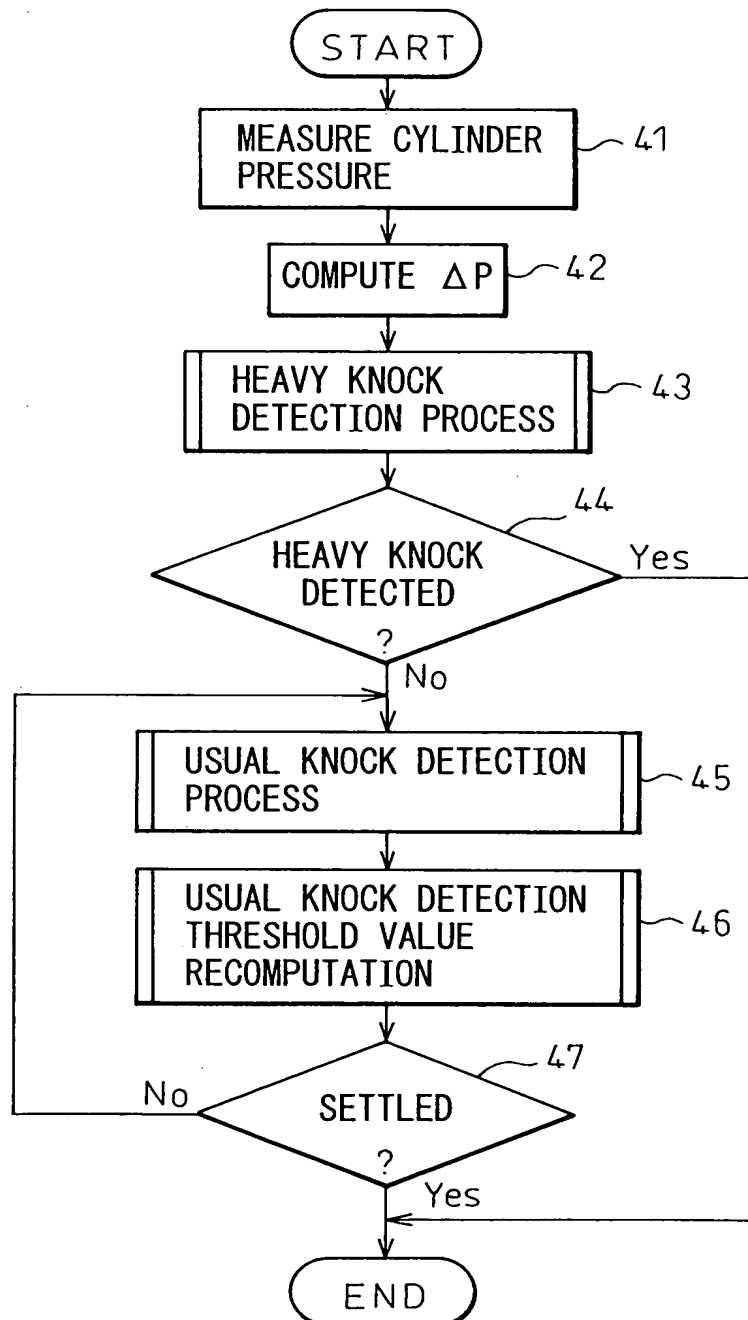
CONFORMANCE TEST ROUTINE



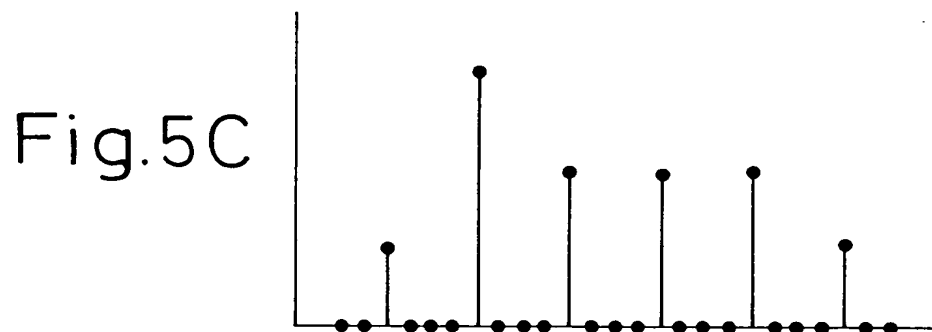
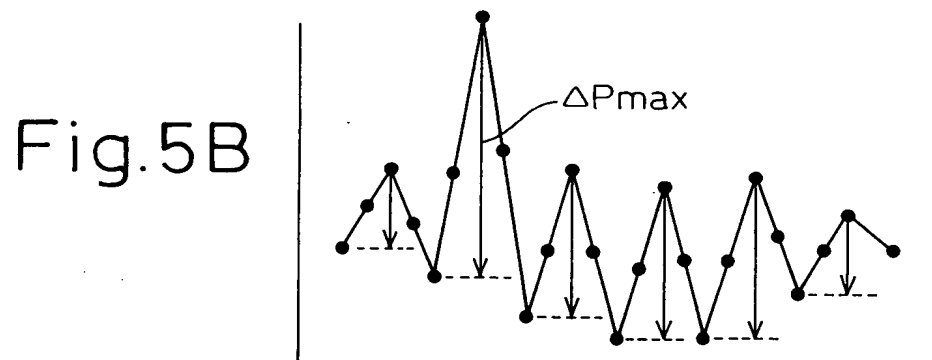
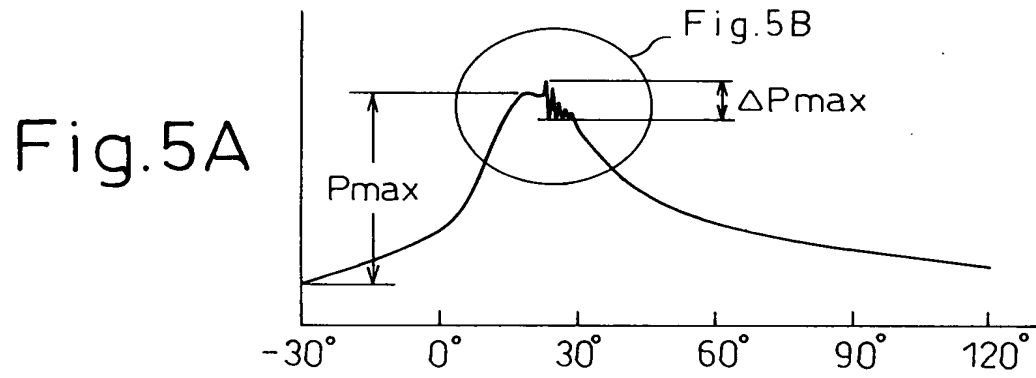
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Fig. 4

FIRST KNOCK DETECTION PROCESS



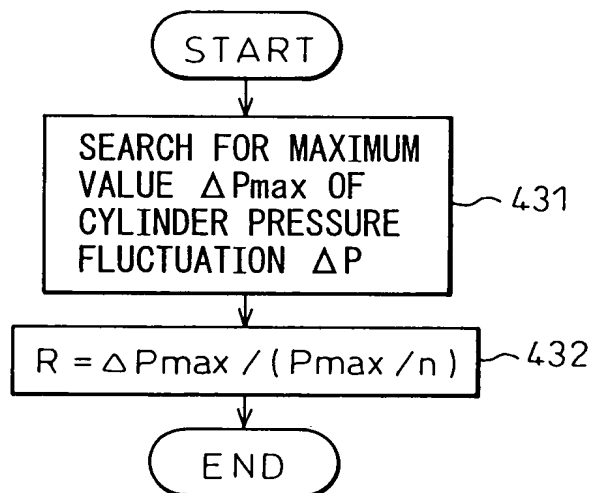
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Fig.6

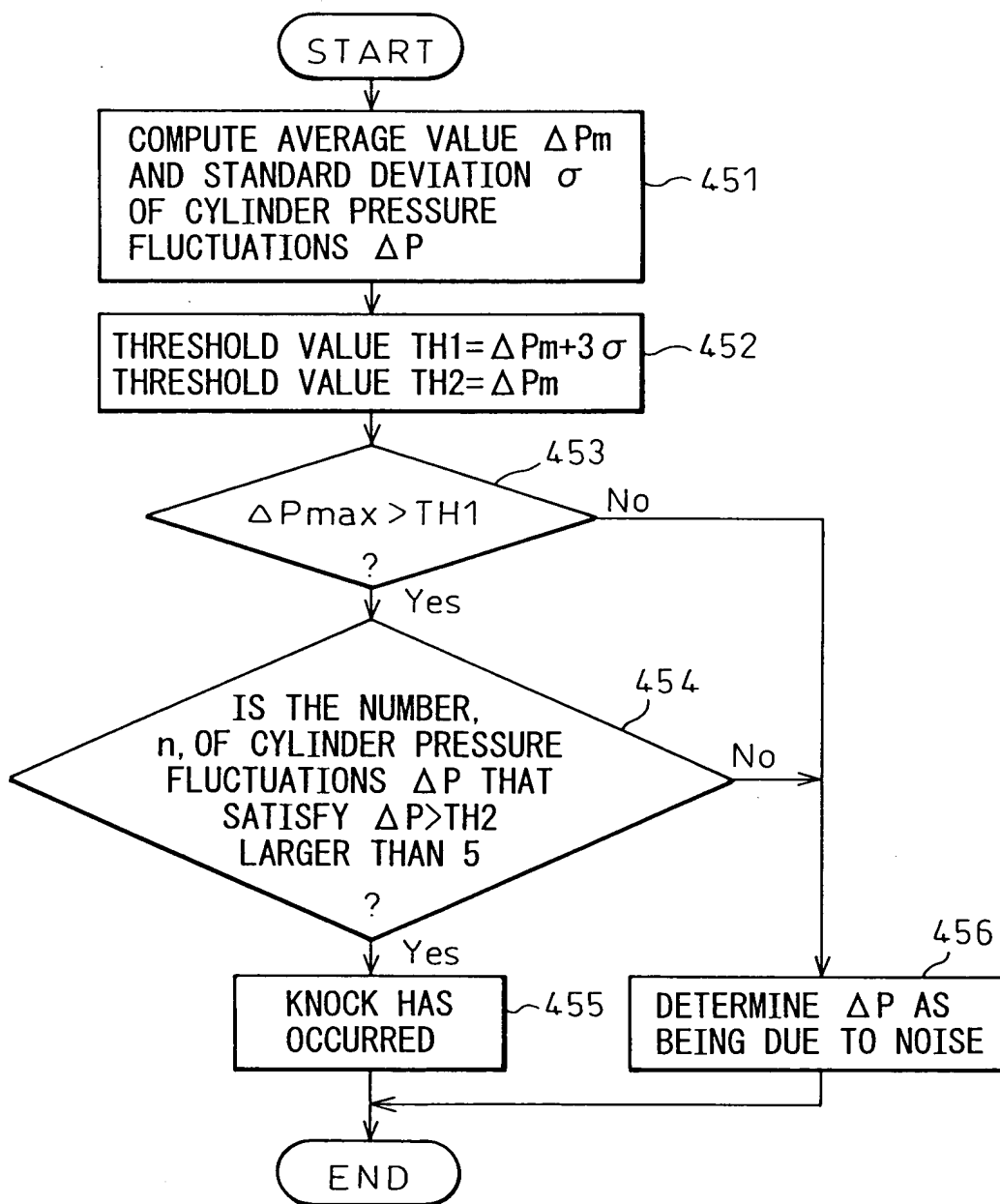
HEAVY KNOCK DETECTION PROCESS



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Fig.7

USUAL KNOCK DETECTION PROCESS



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Fig.8

USUAL KNOCK DETECTION THRESHOLD
VALUE RECOMPUTATION PROCESS

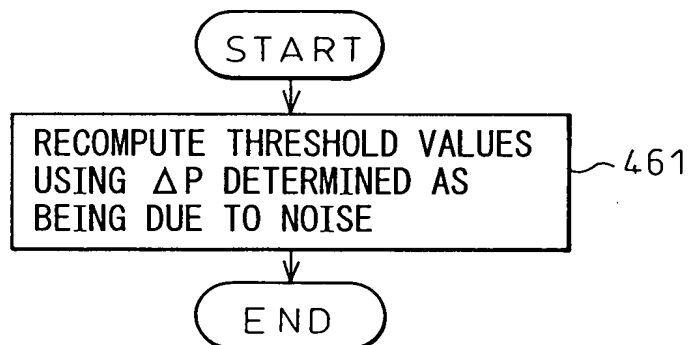
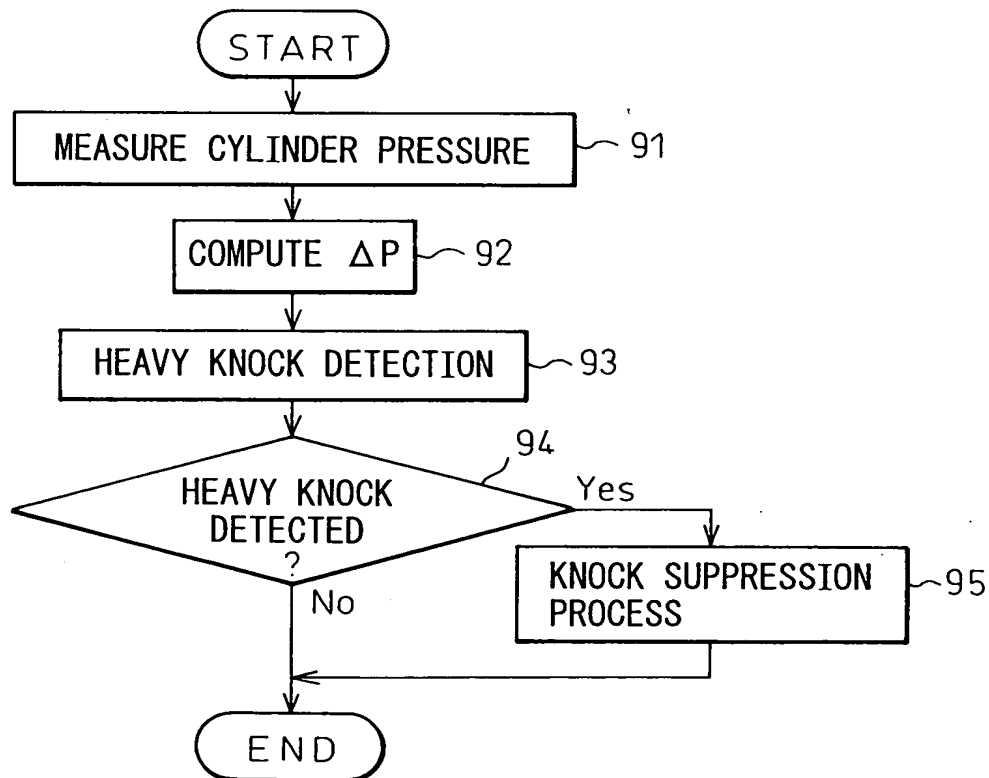


Fig.9

HEAVY KNOCK OCCURRENCE
MONITORING ROUTINE



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Fig.10

SECOND KNOCK DETECTION PROCESS

